

AMENDMENTS TO THE DRAWINGS

Replace the original Fig. 1A and 1B with the attached sheet of drawings at Tab 1.

The following is an explanation of the changes made to the immediate prior version of the Figures: Pending Fig. 1A. has been amended to correct a typographical error by changing "G" to "H" as shown in red ink in Tab 2. Pending Fig. 1B. has been amended to correct a typographical error by changing "F" to "G" as shown in red ink in Tab 2. Support is in the originally filed Figure 1A and 1B (Tab 3) of the priority provisional Application No. 60/081,734 (our File UCSD-04729).

Enclosure: Replacement Sheets (Tab 1)
 Annotated Sheet Showing Changes In Red Ink (Tab 2)
 Originally filed Sheets in Application No. 60/081,734 (Tab 3)

1 MSVDEICENTKMGREYALLGNYETSLVYYQGV LQQIQKLL
 41 TSVHEPQRKHQWQTIRQELSQEYEHVKNITKT LNGFKSEP
 81 AAPEPAPNHRAAPFSHHQHAAPAAAEPA RDPDVWPPPTP
 121 VDHRPSPPYQRAARKDPPRRSEPSKPA NRAPGNDRGGRGP
 161 SDRRGDARSGGGGRGGARGSDKDKNRGGKSDKDKKAPSGE
 201 EGDEKKFDPAGYDKDLVENLERDIVQRNPNVHWADIAGLT
 241 EAKRLLEEAVVLPLWMPDYFKGIRRPWKGVLMV GPPGTGK
 281 TMLAKAVATECGTTFFNVSSASLT SKYHGESEKLVRLLEFE
 321 MARFYAPSTIFIDEIDSICSKRGTGSEHEASRRVKSELLI
 361 QMDGVSGPSAGEESSKMVMVLAATNFPWDIDEALRRRLEK
 401 RIYIPLPEIDGREQLLRINLKEVPLADDIDLKSIAEKMDG
 441 YSGADITNVCRDASMMAMRRRIQGLRPEEIRHIPKEELNQ
 481 PSTPADFLLALQKVSXSVGKEDLVKYMAMWMEEF GSV

FIG. 1A

p60 231 VHWADIAGLTEAKRLLEEAVVLPLWMPDYFKGIRRPW.KGVLMVGPPGTG
 mei-1 190 MSLDDIIGMHDVKQVLHEAVTIPLLVPEFFQGLRSPW.KAMVLAGPPGTG
 Suglp 145 STYDMVGGLTKOIKEIKEVIELPVKHPELFESLGIAQPKGVILY GPPGTG
 ftsh 149 TTFADVAGCDEAKEEVAELVEY.LREPSRFQKLGGKIPKGVLMVGPPGTG
 Paslp 694 IKWGDIGALANAKDVLLETLEWPTKYEPIFVNCPRLRLSGILLYGYPCCG
 NSF 224 EKMGIIGGLDDEFSDIFRRASFARVFPPEIVEQMGCKHVKGILLY GPPGTG

 p60 280 KTMLAKAVATECGTTFFN.VSSASLT SKYHGESEKLVRLLEFEMARFYAP.
 mei-1 239 KTLARAIASESSSTFT.VSSTDLSKWRGDSEKIVRLLEFELARFYAP.
 Suglp 195 KTLARAVAHHTDCKEIR.VSGAELVOKYIGEGSRMVRELFVMAREHAP.
 ftsh 198 KTLAKAIAAGEAKVPFT.ISGSDFVEMFVGASRVDRDMFEQAKKAAP.
 Paslp 744 KTLASAVAQOCGLNEIS.VKGEILNKFICASEQNIRELFERASVKP.
 NSF 274 KTLARQIGKMLNAREPKVVNCGPEILNKYMGSEANIRKLEFADAE EEQRR

 p60 328STIFIDEIDSICSKR..GTGSEHEASRRVKSELLIOMDGVSGP
 mei-1 287SIIFIDEIDTLGGOR..GNSGEHEASRRVKSEFLVOMDG...
 Suglp 243SIIFIDEIDSIGSTRVEGSGGGDSEVORTMLELLNOLDGFFET.
 ftsh 246CIIFIDEIDAVGRORGAGLGGGHDEREQTLNQMLVEMDGFEG.
 Paslp 792CILFFDEEDSIAPKRGH...DSTGVTD RVVNQLLTOMDGA EGL
 NSF 324 LGANSGLHIIIFIDEIDAICKORGS.MAGSTGVHDTVVNQLLSKIDGVEQL

 p60 369 SAGEESSKMVMVLAATNFPWDIDEA IRR..RLEKRIYIPLPEIDGREQLL
 mei-1 324 SQNKFD SRRVFLAATNIPWELDEA IRR..RFEKRIFIPLPDIDARKKLI
 Suglp 285SKNIKIIMATNRDLIDPAILLRPGRIDRKIEFPSPVAARAEIL
 ftsh 288NEGIIVIAATNRPDVLDPAILLRPGRFDRQVVVGLPDVRGREQIL
 Paslp 832 D.....GVYILAATS RPD LIDSAILLRPGRLDKSVICNIPTESERLDIL
 NSF 373 N.....NIIIVIGMTNRPD LIDEAILLRPGRLLEV KMEIGLPDEKGRLOIL

 p60 417 RINL.....KEVPLADDIDLKSIAEKMDGYSGADIT
 mei-1 372 EKSM.....EGTPKSDEINYDDLAA RTEGFSGADV
 Suglp 329 RIHS.....RKMNLTRGINLRKVAEKMN GCSGADV
 ftsh 332 KVHM.....RRVPLAPDIDA AIIARGT PFGSGADLA
 Paslp 875 QAI VNSKDKDTGOKKFALEKNADLKLIAEKTAGFSGADLO
 NSF 416 HI...HTARMRGHQ..LLSADV DIKELAVETKNFSGAELE

FIG. 1B

1/9

1 MSVDEICENTKMGREYALLGNYETSLVYYQGV LQQIQKLL
41 TSVHEPQRKHQWQTIHQELSQEYEHVKNITKTLNGFKSEP
81 AAEPAPNGRAAPFSHHOHAAKPAAAEPARDPDVWPPTP
121 VDHRPSPPYQRAARKDPPRRSEPSK PANRAPGNDRGGRGP
161 SDRRGDARSGGGGRGGARGSDKDKNRGGKSDKDKKAPSGE
201 EGDEKKFDPAGYDKDLVENLERDIVORNPNVHWADIAGLT
241 EAKRLLEEAVVLPLWMPDYFKGIRRPWKGVLMVGPPGTGK
281 TMLAKAVATECGTTFFNVSSASLT SKYHGESEKLVRLLE
321 MARFYAPSTIFIDEIDSICSKRGTGSEHEASRRVKSELLI
361 OMDGVSGPSAGEESSKMVMVLAATNFPWDIDEALRRRLEK
401 RIYIPLPEIDGREQLLRINLKEVPLADDIDLKSIAEKMDG
441 YSGADITNVCRDASMMAMRRRIOGLRPEEIRHIPKEELNQ
481 PSTPADFLLALQKVSKSVGKEDLVKYMAWMEEFGSV

FIG. 1A.

p60	231	VHWADIAGLTEAKRLLEAAVLELWMPDYFKGIFFPW.KGVLMVGPFGTG
mei-1	190	MSLDDIIGMHDVKQVLHEAVTLPFLVPEFFQGLRSPW.KAMVLAGPPGTG
Sug1p	145	STYDMVGLTKQIKEIKEVIELEVKHPELFEGLGIAQPKGVILYGPFGTG
ftsh	149	TTFADVAGCDEAKKEEVAELVEY.LREPSEFQKLGKKEPKGVLMVGPFGTG
PAS1p	694	IKWGDIGALANAKDVLLETLEWETKYEPFIEVNCPLRLRSGILLYGYPGCG
NSF	224	EKMGGGLDKFESDIFRAFAASRVFPEIVEQMGCCKHVKGILLYGPPGCG
p60	280	KTMKAKAVATECGTTFN.VSSASLTSKYHGESESEKIVRLLFEMARFYAP.
mei-1	239	KTLARAIASESSSTFT.VSSDLSKMRGCDSEKIVRLLFELARFYAP.
Sug1p	195	KTLARAVAHHTDCKFIR.VSGAELVQYIGESRMVRELFVMAREHAP.
ftsh	198	KTLAKAIAGEAKVPFT.ISGSDFVEMFVGASRVDMFEOAKKAAP.
Pas1p	744	KTLASAVAOCCGLNEIS.VKGPFIILKFIGASEQNTRELFERAOQSVKE.
NSF	274	KTLARQIGKMLNAREPKVNVNGPEILNKYVGESEANIRKLEADAEERQR
p60	328	.....STIFIDEIDSICSKR..GTGSEHEASRRVKSELLIQMDGVSGP
mei-1	287	.....SIIFIIDEIDTLGGQR..GNSGEHEASRRVKSEELVQMDG....
Sug1p	243	.....SIIFMDEIDSIGSTRVEGSGGDSVQETMLELNLQDDGET.
ftsh	246	.....CIIFIIDEIDAVGRQAGLGGCHDEREQTLNQMLVEMDGFEG.
Pas1p	792	.....CHLEFDEDSIAPKRGH...DSTGVTDRVNVNQLLIQMDGAEG
NSF	324	LGANSGLHIIIFIDEIDAIJCKQSGS.MAGSTGVHDTVNVNQLLSKIDGVEDL
p60	369	SAGESSKMVMVLAATNFPWDIDEAIRR..RLEKRIYIPLPEIDGREQL
mei-1	324	SONKEDSRRVFLAATNIPWEIDEAIRR..RFEKRIFIPLPDIDARKKLI
Sug1p	285	.....SKNIKIIMATNRDIIIDPALLRPGRIDRKIEFPSPSVAARAEIL
ftsh	288	.....NEGIIMIAATNRPDVIDPALLRPGRFDRQVVVGLPDVREGREIL
Pas1p	832	D.....GVYILAAATSRPDLIDSALLRPGRLDKSVICNIPTESERLDIL
NSF	373	N.....NIILIGMINRPDLIDEALLRPGRLLEVMEIGLPEDEKGRLOL
p60	417	RINL.....KEVPADDDILKSIAEKMDGYSGADIT
mei-1	372	EKSM.....EGTPKSDEINYYDDIAARIEGFSGADV
Sug1p	329	RIHS.....RKMNITRGINLRKVAEKMGSGADV
ftsh	332	KVHM.....RRVPIAPDIDAIAIARGTPGFSFADLA
Pas1p	875	QAIVNSKDKDTGQKFALEKNADLKLIAEKTAGFSFADLQ
NSF	416	HI...HTARMRGHQ...LISADVDIKEIAVETKNESEAELE

FIG. 1B.

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Fig. 1A

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1      MSVDEICENTKMGREYALLGNYETSLVYYYQGYLQQIQKLL
41     TSVHEPQRKHQWQTIRQELSQEYEHVKNITKTNLNGFKSEP
81     AAPEPAPNHRAAPF SHHQHAAKPAAAEPARDPDVWPPPTP
121    VDHRPSPPYQRAARKDPPRRSEPSKPANRAPGNDRGGRGP
161    SDRRGDARSGGGGRGGARGSDKDKNRGGKSDKDKKAPSGE
201    EGDEKKFDPAGYDKDLVENLERD IVQRNPNVHWAD IAGLT
241    EAKRLLEEAVVLPLWMPDYFKGIRRPWKG GYLMVGEEPGTGE
281    TMLAKAVATECGTTFFNYSSASLT SKYHGESEKLVRLLFE
321    MARFYAPSTIFIDEIDSICSKRG TGSEHEASRRVKSELLI
361    QMDGVSGPSAGEESSKMVMYLAATNFPWDIDEALRRRLEK
401    RIYIPLPEIDGREQLLRINLKEVPLADDID LKSIAEKMDG
441    YSGADITNVCRDASHMAMRRRI QGLRPEEIRHIPKEELNQ
481    PSTPADFLLALQKYSKSVGKEDLVKYMAWMEEF GSV

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Fig. 1B

p60	231	VHWAD	IAGLTEAKRLLE	CAVY	LELW	MPDYFKGIRRPW	KG	GYLMV	GE	EPGTGE
mei-1	190	MSLDD	IICMHDV	KQVLH	FAVTL	LLV	EEF	QGLRSPW	K	AMVLA
Sug1p	145	STYDM	VGGTLTKQ	IK	IK	VEI	EL	ESLGIAQPK	GY	LY
ftsH	149	TTFAD	VACDEAK	EEV	AE	LV	VEY	LRE	SR	QKLGGKIP
Pas1p	694	IKWGD	IGALANAK	DVLL	ETLEW	ETKYEPI	EVN	CPLRL	RS	GI
NSF	224	EKM	GIGGLDKEF	SDIF	RR	AFASRV	FP	BEI	VEQ	MGCKHVK
p60	280	KT	MEAKAV	TECGTTE	FN	VS	SASLT	TSKYHGESEKLVRL	ME	MARFYAP
mei-1	239	KT	ELARAI	ASESSSTE	FT	VS	STDLS	SKWRG	DSEK	IVRL
Sug1p	195	KT	ELARAV	HHHTDCK	IR	WS	GAEL	VQK	YIE	EGSRM
ftsH	198	KT	ELAKA	IA	GEAKVPE	FT	IS	GSD	FVEMFV	GVGAS
Pas1p	744	KT	ELASAV	LA	QCGLNE	IS	VK	GPEIL	NKE	FIS
NSF	274	KT	ELARQ	IGKML	NAREPKV	WNG	PEIL	NK	YV	GESEANIR
p60	328	.....	STIF	IDE	ND	SIC	SKR	..	GTGSEHEASRRV	KSELL
mei-1	287	.....	STIF	IDE	ND	TLGGQ	R	..	GN	SGEHEASRRV
Sug1p	243	.....	STIF	IDE	ND	SIG	STVE	GS	GGDSEVQ	ETMLE
ftsH	246	.....	CTIF	IDE	ND	AVGRQ	RGAGL	G	GHDERE	QTLNQ
Pas1p	792	.....	CTLE	FDE	ED	STAPK	RGH	..	D	STGYTDE
NSF	324	LGANSGLH	CTIF	IDE	ND	ATCKQ	RG	GS	MAG	STGYVD
p60	369	SAGEESS	SKMVMYLA	ATN	FEWD	IDEALRR	..	RELEKRIYIPL	PEIDGREQL	IA
mei-1	324	SQNKFD	SRVFWLA	ATN	IEWEL	DEALRR	..	DEFEKRIFIP	PDIDARKKLI	IA
Sug1p	285	.....	SKNIK	IIMATNRL	DIL	DPALL	REGR	IDRKIEFP	PP	SVAAARAE
ftsH	288	.....	NEGII	VIAATNR	EDVLD	PALL	RPGR	FD	RQVYVG	EPD
Pas1p	832	D.....	GVYILA	ATSRED	IDS	AL	RPGR	LDK	SVICN	IP
NSF	373	N.....	NILWIG	TNR	EDL	IDEAL	RPGR	LEV	KMEIG	EP
p60	417	RINL	.....	KEYVPL	ADD	IDLKS	IAEKMD	GYSGAD	IT	
mei-1	372	EKSM	.....	EGTPK	SDET	NYDDL	AAART	EGESGAD	VY	
Sug1p	329	RIHS	.....	RKMN	TRG	INLRK	VAEKMN	CCSGAD	VK	
ftsH	332	KVHM	.....	RRVPL	APD	IDA	AAI	IARGT	PGESGAD	LA
Pas1p	875	QAIYNSKD	KDTGQ	KKFA	EKNAD	LKLI	IAEK	TAGE	SGAD	LQ
NSF	416	HI	..	HTARMR	GHQ	..	LL	SAD	VDIKEL	AVET